

# Sony Ericsson txt pro™



CK15i, CK15a

# Purpose of this document

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Sony Ericsson product White papers are intended to give an overview of a product and provide details in relevant areas of technology.

## Document history

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### Version

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# Product overview

## Sony Ericsson txt pro™ – Chat with a snap

Is anyone kick flipping at the skatepark? Are you the only one wearing orange at the party? Find out the easy way. Use the Friends app. Add your five best friends from your phonebook and see at a glance when they say smart things on Facebook™ or tell tales on Twitter™. Then text right back without the wait. Making your friends the centre of attention couldn't be easier. Enjoy!

### Chill out at the hotspot

Sony Ericsson txt pro™ has Wi-Fi®. So you can see what's cool from any hotspot. Snap a quick photo of yourself at the concert. Just to prove you got in. Then upload to everyone. Or just chill out at the café and browse around to get the low-down at high speed – without worrying about the bill if you use a free hotspot\*.

### What you want. Where you want it

Chat at the speed of life. Simply snap out the full keyboard and type away with ease. Or quickly check out the most popular videos on YouTube™ on the large 3-inch touchscreen. Fancy getting more personal? Drag and drop the apps you want to the corners you want on your Home screen. Twitter™ top right? Friends bottom left? Easy with Sony Ericsson txt pro™ – it's bursting with social power.



\*Not all Wi-Fi® hotspots are free of charge.

# Facts – dimensions, weight, performance and networks

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<b>Operating system</b>	Sony Ericsson proprietary OS
<b>Processor</b>	PNX-4910
<b>Size</b>	93 x 52 x 18 mm
<b>Weight</b>	100 grams
<b>Available colours</b>	Black White Pink
<b>Main screen</b>	
Colours	262,144 colour TFT
Resolution	400x240 pixels
Size (diagonal)	3 inches
Scratch-resistant	Yes
<b>Input mechanisms</b>	
QWERTY keyboard	4 x 10
Text input	Quick text (Zi)
Touch screen	Capacitive (single touch)
Touch gesture	Single touch
Motion sensor	Accelerometer
<b>Memory</b>	
Internal phone storage	Up to 100 MB (up to 100 MB free of use memory)
RAM	64 MB
Expansion slot	microSD™, up to 32 GB
<b>Camera</b>	
Camera resolution	3.2 megapixel
Video recording	Yes, MPEG4 (QVGA)
<b>Sensors</b>	
Accelerometer	Yes
Proximity sensor	Yes
<b>Networks</b>	
CK15i	GSM GPRS/EDGE 850, 900, 1800, 1900
CK15a	GSM GPRS/EDGE 850, 900, 1800, 1900

<b>Data transfer speeds</b>	
GSM GPRS (Class 10 CS4)	Up to 85.6 kbps (download). Up to 42.8 Kbps (upload).
GSM EDGE (Class 10 MCS9)	Up to 236.8 kbps (download). Up to 118.4 Kbps (upload).
<b>Talk time (GSM)</b>	Up to 5 hours 10 min*
<b>Standby time (GSM)</b>	Up to 400 hours*
<b>Battery</b>	1000 mAh

\*According to GSM Association Battery Life Measurement Technique.

*Note: Battery performance may vary depending on network conditions and configuration, and phone usage.*

## Categorised list of features

 <p><b>Camera</b></p> <ul style="list-style-type: none"> <li>3.2 megapixel camera</li> <li>Send to web</li> <li>Video recording</li> </ul>	 <p><b>Music</b></p> <ul style="list-style-type: none"> <li>Bluetooth™ stereo (A2DP)</li> <li>Clear stereo</li> <li>Media player</li> <li>Music tones (MP3/AAC)</li> <li>PlayNow™ service*</li> <li>Sony Ericsson Music Player</li> <li>TrackID™ music recognition</li> </ul>	 <p><b>Internet</b></p> <ul style="list-style-type: none"> <li>Bookmarks</li> <li>Google™ search</li> <li>Web browser (Obigo™ Q7)</li> </ul>
 <p><b>Communication</b></p> <ul style="list-style-type: none"> <li>Call list</li> <li>Conference calls</li> <li>Facebook™ application</li> <li>Polyphonic ringtones</li> <li>Speakerphone</li> <li>Twitter™ application</li> <li>Vibrating alert</li> <li>Friends application</li> <li>Google Talk™</li> <li>Multiple IM</li> </ul>	 <p><b>Messaging</b></p> <ul style="list-style-type: none"> <li>Conversations</li> <li>Email</li> <li>Instant messaging</li> <li>Multimedia messaging (MMS)</li> <li>Predictive text input</li> <li>Sound recorder</li> <li>Text messaging (SMS)</li> </ul>	 <p><b>Design</b></p> <ul style="list-style-type: none"> <li>Auto rotation</li> <li>Four-corner Home screen</li> <li>Keyboard (on-screen, 12 key)</li> <li>Keyboard (QWERTY)</li> <li>Picture wallpaper</li> <li>Touchscreen</li> </ul>
 <p><b>Entertainment</b></p> <ul style="list-style-type: none"> <li>Java™</li> <li>Media browser</li> <li>Radio (FM radio with RDS)</li> <li>Video viewing</li> </ul>	 <p><b>Organiser</b></p> <ul style="list-style-type: none"> <li>Alarm clock</li> <li>Calculator</li> <li>Calendar</li> <li>Flight mode</li> <li>Notes</li> <li>Phonebook</li> <li>Stopwatch</li> <li>Timer</li> <li>Widget manager</li> </ul>	 <p><b>Connectivity</b></p> <ul style="list-style-type: none"> <li>3.5 mm audio jack</li> <li>Bluetooth™ technology</li> <li>Micro USB support</li> <li>Modem</li> <li>USB mass storage</li> <li>USB High speed 2.0 support</li> <li>Wi-Fi®</li> </ul>

\* This service is not available in all markets.

# Technologies in detail

**NOTE:** The information outlined below is general and levels of compliance to standards and specifications may vary between products and markets. For more information, contact Sony Ericsson Developer World or your Sony Ericsson contact person where applicable.

## Device-to-device communications (local)

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### Bluetooth™ wireless technology

Bluetooth™ profiles supported	Generic Access Profile Headset Profile Handsfree Profile Object Push Profile Advanced Audio Distribution Profile AVRCP V1.0
Core version and supported features	Version 2.1
Connectable devices	All products support at least one of the profiles above.

### Wi-Fi®

Supported standards	IEEE 802.11b/g and Wi-Fi®
Connectable devices	Wi-Fi® or WAPI access points
Frequency band	2.4 GHz
Data transmission rate	Up to 54 Mbps
Security	WEP 64 bit, 128bit WPA-PSK, WPA2-PSK WAPI-PSK WAPI-Certificate
Encryption	TKIP, AES

## Java™

Java™ Platform, Micro Edition

JSR-75 PDA Optional Packages  
JSR-118 J2ME Mobile Information Device Profile  
JSR-120 J2ME Wireless Messaging API  
JSR-135 J2ME Mobile Media API  
JSR-139 Connected Limited Device Configuration  
JSR-172 J2ME Web Services Specification  
JSR-185 Java Technology for the Wireless Industry  
JSR-211 Content Handler API  
JSR-256 Mobile sensor API

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# Messaging

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## (MMS) Multimedia Messaging Service

According to OMA Multimedia Messaging Service v1.0 + SMIL

### Email

Bearer type (IP)	GSM Data (IP) and GPRS
Character sets	BIG5 GB2312 Simplified Chinese ISO2022JP ISO-8859-1 ISO-8859-10 Nordic ISO-8859-2 Eastern Europe ISO-8859-7 Greek ISO-8859-9 Turkish KOI8 Shift JIS UCS-2/ISO10646 UCS2 USASCII UTF-8 UTF-16 Windows® 1251 Cyrillic Windows® 1252 Windows® 1254 Turkish Windows® 1255 Hebrew Note: GB2312 is available in Simplified Chinese variants only, that is, Mainland China variants. BIG5 is only available in Traditional Chinese variants, that is, Hong Kong and Taiwan variants.
OTA provisioning solution	OMA Client Provisioning 1.1
Protocols	POP3, SMTP and IMAP4

## Multimedia (audio and video)

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<b>Audio Playback</b>	<b>Decoder format</b>	<b>Supported in file format</b>
	AAC AAC+ eAAC+ AMR-NB AMR-WB MP3	3GP (.3gp) AAC (.aac) MP4 (.mp4) AMR (.amr) MP3 (.mp3)
<b>Ringtone playback</b>	<b>Decoder format</b>	<b>Supported in file format</b>
	AAC AAC+ eAAC+ MP3 MIDI WMA	3GP (.3gp) AAC (.aac) MP4 (.mp4) MP3 (.mp3) SMF (.mid) WMA (.wma)
<b>Audio Recording</b>	<b>Encoder format</b>	<b>Supported in file format</b>
	AMR-NB	AMR (.amr)
<b>Image playback</b>	<b>Decoder format</b>	<b>Supported in file format</b>
	1, 4, 8, 16, 24, 32 bpp and RLE encoded formats Single and multi-frame, bitmap mask support (GIF87a format and GIF89a format) Joint Photographic Experts Group Portable Network Graphics Bitmap mask support Wireless Bitmap	BMP (.bmp) GIF (.gif) JPEG (.jpg) PNG (.png) WBMP (.wbmp)
<b>Image Capture</b>	<b>Encoder format</b>	<b>Supported in file format</b>
	Joint Photographic Experts Group	JPEG (.jpg)
<b>Video Playback</b>	<b>Decoder format</b>	<b>Supported in file format</b>
	MPEG-4 Visual Simple Profile H.263 Profile 0	3GP (.3gp); MP4 (.mp4)
<b>Video Recording</b>	<b>Encoder format</b>	<b>Supported in file format</b>
	Video: MPEG-4 Visual Simple Profile Audio: AAC-LC	3GP (.3gp)

## Web browser

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Browser version	Obigo™ Q7
Bookmarks	Folders and sorting supported
Bookmark export/import	Bookmarks can be sent and received in vBookmark format using Bluetooth™ technology, SMS, MMS and email
Navigation/rendering	Full page PC rendering
Search	Internet Search
Browser compliancy	HTML version 4.01 XHTML Basic version 1.0 XHTML version 1.0 XHTML Mobile Profile version 1.1 WML 1.1, 1.2.1 and 1.3 CSS 2.1 ECMAScript Mobile Profile 1.0 DOM 2.0
Protocol Compliancy	HTTP/1.1

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